



August 10, 2010

Mr. Brian Wootton, Hydrogeologist Permitting Branch  
Solid Waste Section  
Division of Waste Management  
North Carolina Department of Environment and Natural Resources  
401 Oberlin Road, Suite 150  
Raleigh, NC 27605

Re: **Corrective Action Plan – Modification Request**  
City of Albemarle Landfill  
40592 B Stony Gap Road  
Albemarle, NC 28002  
Permit No. 84-01  
MESCO Project No. G07059.0

Mr. Wootton:

Municipal Engineering Services Co., P.A. (MESCO), on behalf of the City of Albemarle, appreciates the opportunity to present to the Solid Waste Section (SWS) this request to modify the *Corrective Action Plan for the City of Albemarle Landfill, Albemarle, Stanly County, NC* approved March 2, 2009 and currently in process. In accordance with Section 6.3(Revisions) of the *Corrective Action Plan* (CAP), this letter is to:

1. Inform you of our plan and desire to amend portions of the current CAP, and
2. Request a modification (extension) to the implementation schedule.

The referenced CAP proposed implementation of the approved selected remedy including:

- Monitored Natural Attenuation (MNA) - Eastern Plume
- MNA with HRC Injection and Phytoremediation – Western Plume

Our request refers to “western plume” remedy modification only.

Since CAP approval, MNA analysis has been implemented as proposed. An initial group of approximately 300 saplings were planted in the area near MW-2 and MW-7 between the estimated edge of waste and western property line, as generally depicted on CAP Plate 6. Water level transducers record daily static water levels and quarterly tree growth and visual health measurements have been recorded, as proposed. Groundwater and surface water sampling and analysis have been performed in accordance with the Groundwater and Surfacewater Monitoring Plan presented in the CAP Section 4.

Due to economic conditions, the City of Albemarle (City) has experienced financial constraints that have affected their ability to initiate the HRC injection aspect of the western plume CAP. Additionally, recent analytical results have indicated that contaminant concentrations and subsurface geochemical conditions that were considered when selecting HRC as the injection product have changed, persuading us to re-assess our selected remedy. We are working with a third party remediation firm to determine the best possible action to successfully remediate the western plume and would like to submit a modified schedule upon further analysis.

Municipal Engineering Services Co., P.A., on behalf of the City of Albemarle, appreciates the opportunity to submit this CAP modification request. Please contact us at (919) 772-5393 or by e-mail at [mgerman@mesco.com](mailto:mgerman@mesco.com) or [mbrown@mesco.com](mailto:mbrown@mesco.com) if you have any questions or comments regarding this request.

Sincerely,

**MUNICIPAL ENGINEERING SERVICES CO., P.A.**



Madeline German  
Geoscientist



Mark Brown, LG, PG  
Sr. Professional Geologist

Enclosures

cc: Mr. Mike Lambert, City of Albemarle Solid Waste Director  
Wayne Sullivan, MESCO